Philips Matchline
flat TV with Crystal Clear III

23"

LCD progressive scan

MATCH LINE

23PF9945

Enhanced picture and sound

Get optimal picture quality with DCDi technology by Faroudja, Digital Comb Filter and a LCD panel with wide viewing angles. On top you also get built-in FM radio and a compact design, for the best value.

Vivid, natural and razor sharp images

- High-definition LCD WXGA display, 1280 x 768p
- Crystal Clear III for natural images with enhanced quality
- Progressive Scan component video for optimized image quality
- Active Control with Light Sensor optimizes picture quality

Superb sound reproduction

- Virtual Dolby Surround for a cinema-like audio experience

Multi-purpose convenience

- The FM radio tuner enhances your personal enjoyment
- 100 pages of teletext for fast access to text information
- Twin page teletext allows simultaneous viewing of two pages
- VGA input so that you can also use your TV as a PC monitor
- View PC content in a second window on your TV

PHILIPS

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23" LCD progressive scan

23PF9945/12

Technical specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 450 cd/m²
- Contrast ratio (typical): 400:1
- Diagonal screen size: 23 inch / 58 cm
- Visible diagonal screen size: 58 cm
- Display screen type: LCD WXGA Active Matrix TFT
- Picture enhancement: 2D Combfilter, 3/2 - 2/2 motion pull down, Active Control + Light sensor, Color Transient Improvement, Color Temperature Adjustment, Contrast Plus, Crystal Clear III, Jagged Line Suppression, Luminance Transient Improver, Progressive Scan, Sharpness Adjustment
- Screen enhancement: Anti-Reflection coated screen
- Viewing angle (H / V): 170 / 170 degree
- Panel resolution: 1280 x 768p
- Response time (typical): 25 ms

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1024 x 768	60Hz
1280 x 768	60Hz
640 x 480	60, 72, 75, 85Hz
800 x 600	56, 60, 72, 75,85Hz

- Video Formats

Resolution	Refresh rate
720 x 576i	1Fh
720 x 576p	2Fh

Sound
- Sound Enhancement: Ultra Bass
- Sound System: Mono, Nicam Stereo, Virtual Dolby Surround
- Total Sound Power (RMS): 20 W

Convenience
- Ease of Installation: Auto Programme Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, Plug & Play, Program Name, Sorting
- Ease of Use: Auto Volume Leveller (AVL), FM Radio, Graphical User Interface, Program List, Smart Picture Control, Smart Sound Control
- Remote control type: RCAE039
- Teletext: 100 page Smart Text
- Teletext enhancements: 4 favourite pages, Program information Line
- Picture in Picture: Picture in graphics, Twin page text
- Remote Control: DVD, TV, VCR
- Screen Format Adjustments: Full screen, Subtitle and Heading Shift, Superwide, Widescreen, Zoom 14:9, Zoom 16:9
- Clock: Sleep Timer, Wake up Clock
- VESA Mount: 100 x 100 mm
- Child Protection: Child Lock

Tuner/Reception/Transmission
- Tuner bands: Hyperband, S-Channel, UHF, VHF, FM
- TV system: PAL, PAL I, PAL B/G, PAL D/K, SECAM, SECAM B/G, SECAM D/K, SECAM L/L'
- Video Playback: NTSC, PAL, SECAM
- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner Display: PLL
- Number of Preset Channels: 100

Connectivity
- Number of Scarts: 2
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Ext 2 Scart: Audio L/R, CVBS in/out, Y/C, S-video in
- Other connections: Antenna IEC75, Audio constant level out, FM Antenna, PC-in VGA + Audio L/R in
- Front / Side connections: Audio in, CVBS in, Headphone out, S-Video in

Power
- Power consumption: 96 W Normal Operation W W
- Standby power consumption: < 3 W
- Ambient temperature: +5 -/+ 40 C
- Power supply: AC 90-240

Dimensions
- Product weight: 11.2 kg
- Dimensions (with base) (W x H x D): 704 x 373 x 80 mm

Accessories
- Included Accessories: Power cord, Quick start guide, Registration card, Remote Control, RF cable, User Manual
- AC/DC Adaptor/Charger: Multi-voltage

Product highlights

LCD WXGA display, 1280 x 768p
This WXGA display with state-of-the-art LCD screen technology gives you HD resolution of 1280 x 768p pixels. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

Crystal Clear III
Crystal Clear III combines a whole range of enhancements to provide a better picture. They include a 2D Comb filter, Dynamic contrast, Blue stretch and Green enhancement so that you always get the most natural looking colors.

Progressive Scan
Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

Active Control + Light Sensor
Active Control is a unique and intelligent way of optimizing picture quality by measuring and analyzing the incoming signal to automatically adjust picture quality settings. Active Control with Light Sensor uses a sensor to adjust the picture brightness depending on the room light conditions.

Virtual Dolby Surround
Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It which create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

FM-radio
A small FM radio is integrated into the headphone so you always have a music source with you.

100 page Smart Text
The teletext is a common system transmitted by most broadcasters. The 100 page smart text feature gives you fast access to information when changing pages.

Twin page teletext
Twin page teletext allows you to simultaneously view two teletext pages side by side

VGA input
The TV set has a VGA input which is compatible with the display output signal from your PC. This means you can use the set both as a TV and PC Monitor at your convenience.

Picture in Graphics
Picture-in-Graphics is a small window in the main picture, allowing to watch data/graphics in your main TV screen. It provides the ability to simultaneously watch data/graphics and the TV.

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